

WORK ORDER 2012-41

Date opened: 15 November 2012

Project: High Mounted Quick Release Cargo Basket Assembly  
Type: Bell 206L Series, 407Batch Quantity: 1 Complete Basket Assemblies (76610-01)  
Modified with Lid Step (70405-01)  
Modified with Auxiliary Latch (70403-01)Approval: SH00-48  
Drawing List: DCL766-2

Fabrication and Assembly Drawing(s)	Description
76610, Rev. 0	Basket Ass'y
76611, Rev. 0	Basket Body Ass'y
60632, Rev. 0	Basket Lid Ass'y
84255, Rev. 0	Handle Installation
84261, Rev. 0	Handle Bar Ass'y
84262, Rev. 0	Handle Bracket Ass'y
70405, Rev. 2	Lid Step
70403, Rev. 4	Auxiliary Latch

Complete material tracking information on attached pages.

Work Order pre-completion Inspection:

Project is on Approval Limitation Record:	Y
Document Control List revision level matches (or exceeds) STC:	Y
Drawings revision levels match Document Control List:	Y
Purchase order or Work order source is recorded for each part/ass'y:	Y
Tests and inspections specifically called out on drawings are complete:	Y
Release tags associated with all fabricated parts are attached:	Y
All mounting hardware and supplies are included:	Y

List all non-conformities raised: \_\_\_\_\_

Welder Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Inspector Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Drawing: **76610** Revision **0**  
 Assembly: **76610-01** **Cargo Basket Ass'y (Quick-Release, High Mounted)**

Qty Per	Part #	Description	Material	P.O./W.O.	Checked
1 Total	76610-01	Cargo Basket Assembly			
. 1	76611-01	Basket Body Assembly	Below		
. 1	60632-01	Basket Lid Assembly	Below		
. 1	84255-01	Handle Bar Installation	Below		
. 1	36280-01	Brace Assembly	9-2081 Brace	12059	
. 1	MS20001P4	Piano Hinge		12066	
. 1	76625-01	Placard	0.063" Sheet, 6061-T6 Aluminum	11102	
. 4	49205-14	Bumper	Argus Industries Bumper	11010	
. A/R	CR3213-5-02	CherryMax Rivet			
. 8	CR3523-5-02	Monel CherryMax Rivet			
. 4	CR3213-4-02	CherryMax Rivet			
. 4	96710-01	Fitting	Equivalent to Ancra 40088-14	WO2012-44	
. 8	NAS1149FO663P	Washer			
. 1	AN3-15A	Bolt			
. 1	AN3-17A	Bolt			
. 3	NAS1149FO363P	Washer			
. 2	AN970-3	Washer			
. 2	MS21044N3	Nut			

Processes	Per	Mat'ls Used	Inspection	Signature
Riveting	AC43.13-1B	Blind Rivets		
Final Inspection	Drawing 76610			

Tag incomplete parts with Work Order # when stored between processes.

Tag complete parts / assemblies with Release Tag prior to storage.

Drawing: **76611**      **Revision 1**  
 Assembly: **76611-01**      **Basket Body Ass'y (High Mounted Quick-Release)**

Qty Per	Part #	Description	Material	P.O./W.O.	Checked
1 Total	76611-01	Basket Body Assembly			
. 1	76621-01	End Hoop	4130 Steel, ½" x 0.035 Sqr. Tube	12045	
. . 2	69823-02	Lug	1018 Mild Steel, 5/8" Rod	10087	
. 4	76623-01	Hoop	4130 Steel, ½" x 0.035 Sqr. Tube	12045	
. 1	76622-01	Hoop	4130 Steel, ½" x 0.035 Sqr. Tube	12045	
. . 2	69823-02	Lug	1018 Mild Steel, 5/8" Rod	10087	
. 2	60640-01	Rim	4130 Steel, ¾" x 0.035 Sqr. Tube	12045	
. 2	49212-01	Rim	4130 Steel, ¾" x 0.035 Sqr. Tube	12045	
. 5	60643-01	Spine	4130 Steel, ½" x 0.035 Sqr. Tube	12045	
. 1	84262-01	Handle Bracket Assembly	Below		
. 1	49215-01	Spacer	1018 Steel, ½" Rod	12056	
. A/R	¾-16F	Mesh	Expanded carbon steel	12005	

Processes	Per	Mat'ls Used	Inspection	Signature
Welding	AMS 2685C	Welding Rod ER70S-2		
Powder Coat	Drawing 76611			
Final Inspection	Drawing 76611			

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Drawing: **60632** Revision **0**  
 Assembly: **60632-01** **Basket Lid Ass'y (High Mounted Quick-Release)**

Qty Per	Part #	Description	Material	P.O./W.O.	Checked
1 Total	60632-01	Basket Lid Assembly			
. 2	60640-01	Rim	4130 Steel, 3/4" x 0.035 Sqr. Tube	12045	
. 2	49212-01	Rim	4130 Steel, 3/4" x 0.035 Sqr. Tube	12045	
. 4	49213-01	Lid Brace	4130 Steel, 3/4" x 0.035 Sqr. Tube	12045	
. 1	49216-01	Spacer	1018 Steel, 1/2" Rod	12056	
. 1	84262-01	Upper Handle Bracket Assembly	Below		
. 1	36204-10	Placard Bracket	1018 Steel, 0.035" Sheet	9010	
. A/R	3/4-16F	Mesh	Expanded carbon steel	12005	

Processes	Per	Mat'ls Used	Inspection	Signature
Welding	AMS 2685C	Welding Rod ER70S-2		
Powder Coat	Drawing 60632			
Final Inspection	Drawing 60632			

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Drawing: 84255 Revision 0  
Assembly: 84255-01 Handle Installation

Qty Per	Part #	Description	Material	P.O./W.O.	Checked
1 Total	84255-01	Handle Installation			
. 1	84261-01	Handle Bar Assembly	Below		
. 2	84267-01	Bracket	Delrin, 3/4" Sheet	WO2012-15	
. 2	36278-01	Spring (1 left, 1 right)	304 Stainless, 1/16" Dia Music Wire	11041	
. 2	36275-01	Bushing	SAE 660 Bronze, 5/16" Dia	11030	
. 2	AN3-14A	Bolt			
. 4	AN3-11A	Bolt			
. 12	NAS1149FO363P	Washer			
. 6	MS21044N3	Nut			

Processes	Per	Mat'ls Used	Inspection	Signature
Final Inspection	Drawing 84255			

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Drawing: **84261**      **Revision 0**  
Assembly: **84261-01**      **Handle Bar Assembly**

Qty Per	Part #	Description	Material	P.O./W.O.	Checked
1 Total	36261-01	Handle Bar Assembly			
. 1	36277-01	Handle Bar	316 Stainless, 1.0 x 0.065 Rnd. Tube		
. 2	84265-01	Lever	304 Stainless, 0.105 Sheet	10036	
. 2	36274-01	Bushing	304 Stainless, 7/16" x 0.065 Rnd. Tube	11057	
. 2	MS20615-4M3	Monel Rivet		7039	

Processes	Per	Mat'ls Used	Inspection	Signature
Welding	AMS 2685C	Welding Rod ER308L		
Final Inspection	Drawing 84261			

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Drawing: **84262**      **Revision 0**  
Assembly: **84262-01**      **Handle Bracket Assembly**

Qty Per	Part #	Description	Material	P.O./W.O.	Checked
1 Total	84261-01	Handle Bracket Assembly			
. 4	84272-01	Bushing	4130 Steel, 5/16" x 0.058 Tube	11049	
. 4	36273-01	Lid Bracket	321 Stainless, 0.050 Sheet	10037	
. 2	36275-02	Support	304 Stainless, 5/16" Rod	11093	

Processes	Per	Mat'ls Used	Inspection	Signature
Welding	AMS 2685C	Welding Rod ER70S-2, ER308L		
Final Inspection	Drawing 84262			

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Drawing: **70405**      **Revision 2**  
Assembly: **70405-01**    **Lid Step Modification**

Qty Per	Part #	Description	Material	P.O./W.O.	Checked
1 Total	70405-01	Lid Step Modification			
. A/R	70405-03	Tube	4130 Steel, 3/4" x 0.035 Sqr. Tube	12045	
. 1	70405-04	Tread Plate	3003 Aluminum Tread Plate, 0.063"	12118	
. A/R	CR3213-4-2	Cherry Rivet			

Note: Remainder of assembly listed on drawing 60632.

Processes	Per	Mat'ls Used	Inspection	Signature
Welding	AMS 2685C	Welding Rod ER70S-2		
Final Inspection	Drawing 70405			

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Drawing: 70403 Revision 4  
Assembly: 70403-01 Auxiliary Latch Modification

Qty Per	Part #	Description	Material	P.O./W.O.	Checked
1 Total	70403-01	Auxiliary Latch Modification			
. 2	60650-04	Tab	4130 Steel, 0.050" Sheet	3021	
. 2	60650-05	Insert	1018 Mild Steel, 3/8" Rod		
. 1	60650-06	Bushing	Brass, 0.25" Rod		
. 1	0115-306	Latch Cord	Arctic Cat		
. 1	0115-307	Latch Cup	Arctic Cat		
. 1	AN3-10A	Bolt			
. 2	NAS1149FO363P	Washer			
. 1	MS21044N3	Nut			
. 2		#8-32 Stainless Steel Screw			

Note: Remainder of assembly listed on drawing 76611 and 76612

Processes	Per	Mat'ls Used	Inspection	Signature
Welding	AMS 2685C	Welding Rod ER308L		
Final Inspection	Drawing 70403			

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1. Approving Civil Aviation Authority/Country <b>Transport Canada</b>		2. <b>AUTHORIZED RELEASE CERTIFICATE FORM ONE</b>			3. Form Tracking No.	
4. Organization Name and Address <b>AERO Design Ltd. – 9888A Malaspina Road, Powell River, BC, V8A 0G3</b>					5. Work Order/Contract/Invoice <b>WO 2012-41</b>	
6. Item	7. Description <b>Cargo Basket Ass'y</b>	8. Part Number <b>76610-01</b>	9. Qty. <b>1</b>	10. Serial/Batch No. <b>76601-15</b>	11. Status/Work <b>New</b>	
12. Remarks <b>Modified with walkway on lid IAW DCL704</b>						
13a. Certifies that the items identified above were manufactured in conformity to:  <input checked="" type="checkbox"/> Approved design data and are in condition for safe operation. <input type="checkbox"/> Non approved design data specified in block 12.			<del>14a. <input type="checkbox"/> CAR 571.10 Maintenance Release  <input type="checkbox"/> Other regulation specified in block 12          Certifies that unless otherwise specified in block 12, the work identified in block 11 and described in block 12, has been performed in compliance with the Canadian Aviation Regulations.</del>			
13b. Signature <i>Jason Rekve</i>		13c. Approved Organization Number <b>AMF 73-04</b>		<del>14b. Signature</del>		<del>14c. Approved Organization Number</del>
13d. Name <b>Jason Rekve - AD01</b>		13e. Date (dd/mmm/yyyy) <b>16 Apr 2014</b>		<del>14d. Name</del>		<del>14e. Date (dd/mmm/yyyy)</del>
<b>Installer Responsibilities</b> This certificate does not constitute authority to install. Installers working in accordance with the national regulations of a country other than that specified in block 1 must ensure that their regulations recognize certifications from the country specified. Statements in blocks 13a or 14a do not constitute installation certification. In all cases, the technical record for the aircraft must contain an installation certification issued in accordance with the applicable national regulations before the aircraft may be flown.						

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